

CLAIMS

1. A currency bill recycling machine having an input and output for receiving and dispensing currency bills; a
5 transport system; a detection system to which bills are fed by the transport system from the input, the detection system being adapted to determine at least the fitness and authenticity of each bill; and a recycling store, a recirculation store, and an unfit bill store to each of
10 which bills are selectively fed by the transport system, the detection system being adapted to cause genuine bills of sufficient fitness for recycling to be fed to the recycling store, to cause genuine bills of sufficient fitness for recirculating but not recycling to be fed to
15 the recirculation store, and to cause unfit bills to be fed to the unfit bill store, the transport system being operable to withdraw bills from the recycling store for dispensing via the output.
2. A machine according to claim 1, wherein the detection
20 system is adapted to cause non-genuine bills to be fed to the output.
3. A machine according to any of the preceding claims, wherein the output and input are formed by separate openings.
- 25 4. A machine according to any of the preceding claims, wherein the recycling store comprises a roll storage module or a cassette and stacking system.
5. A machine according to any of the preceding claims, wherein the recirculating store comprises a bin into which
30 recirculable bills are dropped.
6. A machine according to any of the preceding claims, wherein the unfit bill store comprises a bin into which rejected bills are dropped.
7. A machine according to any of the preceding claims,
35 wherein the recycling store is removable from the machine for use with another bill dispensing machine such as an ATM.

8. A machine according to any of the preceding claims, wherein the detection system is adapted to determine the denomination of each bill.

9. A machine according to any of the preceding claims, wherein the stores are contained within a secure housing.

10. A machine according to any of the preceding claims, the machine having more than one output store, the transport system being controllable to feed bills directly from the input to the output stores via the detection system without being fed to the recycling and/or unfit bill stores.

11. A machine according to any of the preceding claims, the machine being constructed as a teller assist machine.